

FORM PTO - 1449

INFORMATION DISCLOSURE
STATEMENT

ATTORNEY DOCKET NO.: SUR-004DVCN

APPLICANT(S): Sawan, et al.

SERIAL NO.: 09/617,566

FILING DATE: July 17, 2000

GROUP: 1617 (prior application)

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>u</i>	AA	4,973,493	11/27/90	Guire	427	2	
	AB	5,002,582	3/26/91	Guire et al.	623	66	
	AC	4,979,959	12/25/90	Guire	623	66	
	AD	3,803,810	4/16/74	Rosenberg	55	159	
	AE	4,304,894	12/8/81	Andrews et al.	526	310	
	AF	5,069,907	12/03/91	Mixon et al.	424	445	
	AG	4,150,171	4/17/79	Feldstein	427	54	
<i>of</i>	AH	4,882,232	11/21/89	Bugnet et al.	428	613	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
<i>u</i>	BA	2254340	7/10/92	GB	C23C	18/20	2/28/92	N	Y
	BB	1087977	10/21/80	CA	C14C	5/00	4/12/77	N	Y
	BC	63-218558	3/3/90	JP	B01D	38/14	9/2/88	N	Y
	BD	4-70935	11/12/92	JP	G06F	11/32	6/25/84	N	Y
	BE	4-197362	7/16/92	JP	A61M	25/00	11/29/90	N	Y
	BF	3228850A1	02/02/84	DE	B01D	13/04	08/02/82	N	N
<i>u</i>	BG	JP3065223	03/20/91	JP	B01D	69/00	08/01/89	Y	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
<i>u</i>	CA	Amos et al., "Surface Modification of Polymers by Photochemical Immobilization" (Abstract) The 17th Annual Meeting of the Society for Biomaterials, Scottsdale, AZ, May 1-5, 1991
<i>u</i>	CB	Boaroni et al., "Case Study: Development of A Device with An Antimicrobial Treatment", Medical Plastics Today and Tomorrow Proc. Med. Plast. Conf., Publ. Soc. Plastics Engineers, Brookfield, CT, 1990

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Paul Cery

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M	AI	5,110,470	5/05/92	Yokosawa et al.	210	500.23	
	AJ	4,563,485	01/07/86	Fox, Jr. et al.	523	113	
	AK	4,581,028	04/08/86	Fox, Jr. et al.	623	2	
	AL	4,592,920	06/03/86	Murtfeldt	427	2	
	AM	4,603,152	07/29/86	Laurin et al.	604	265	
	AN	4,612,337	09/16/86	Fox, Jr. et al.	523	113	
	AO	4,675,347	06/23/87	Mochizuki et al.	523	122	
	AP	4,677,143	06/30/87	Laurin et al.	523	122	
	AQ	4,769,013	09/06/88	Lorenz et al.	604	265	
	AR	4,853,978	08/08/89	Stockum	2	167	
	AS	5,019,096	05/28/91	Fox, Jr. et al.	623	1	
	AT	5,849,311	12/15/98	Sawan et al.			
	AU	5,248,772	09/93	Siiman	536	112	
	AV	4,933,178	06/90	Capelli	429	78	
	AW	5,224,493	07/93	Sawan et al.	128	832	
	AX	5,817,325	10/6/98	Sawan et al.	424	411	
✓	AY	4,643,181	02/17/87	Brown	128	156	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
M	BH	WO93/22320	11/11/93	CTWO	CO7F	9/09	4/23/93	N	Y
M	BI	4-197363	7/16/92	JP	A61M	25/00	11/29/90	N	Y
M	BJ	2-68105	3/3/90	JP	BO1D	38/14	9/2/99	N	Y

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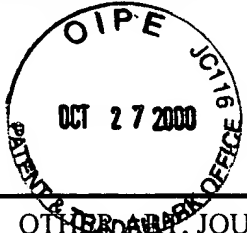
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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLAS S	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLIS H LANG Y/N
<i>M</i>	BK	61-8104	1/14/86	JP	BO1D	13/00	6/25/84	N	Partial
<i>M</i>	BL	2-192937	7/30/90	JP	B32B	15/08	3/16/89	N	Partial
<i>✓</i>	BM	5033217	02/9/93	JP			7/23/91	Y	Y
<i>✓</i>	BN	8176527	07/9/96	JP			12/22/94	Y	Y
<i>✓</i>	BO	328 421 A	08/16/89	EP				N	Y
<i>✓</i>	BP	90 04390 A	05/3/90	WO	A61K	31/155	10/17/88	N	Y
<i>✓</i>	BQ	07 082 665 A	03/28/95	JP	A01N	47/44	9/10/93	Y	Y
<i>M</i>	BR	58 200884 A	11/22/83	JP	C08K	3/16	5/18/82	Y	Y
<i>M</i>	BS	0,136,900	10.04.85	EP			28.09.84		

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
<i>M</i>	CC	Chu et al., "Newly Made Antibacterial Braided Nylon Sutures. I. In Vitro Qualitative and In Vivo Preliminary Biocompatibility Study", <u>J. Biomed. Materials Res.</u> 21:1281-1300 (1987)
<i>✓</i>	CD	Clark et al., "Antibacterial Vascular Grafts with Improved Thromboresistance", <u>Arch. Surg.</u> 109:159-162 (1974)
<i>✓</i>	CE	Clapper et al., "Covalent Immobilization of Cell Adhesion Proteins and Peptides to Promote Cell Attachment and Growth on Biomaterials" (Abstract), The 16th Meeting of the Society for Biomaterials, Charleston, SC, May 20-23, 1990
<i>✓</i>	CF	Clapper et al., "Covalent Immobilization of Extracellular Matrix Peptides to Promote Cell Attachment and Growth on Biomaterials" (Abstract), The 16th Meeting of the Society for Biomaterials, Charleston, SC, May 20-23, 1990
<i>✓</i>	CG	Clapper et al., "Hirudin Immobilization to Produce Antithrombotic Surfaces" (Abstract), Cardiovascular Science and Technology: Basic and Applied, Louisville, KY, Dec. 1-3, 1990
<i>✓</i>	CH	Colby et al., "Light Activated Polymers for Flexible Surface Modification" (Abstract), Proceedings of the Medical Design and Manufacturing Conference, New York, NY, June 3, 1992
EXAMINER <i>Mark Cuy</i>		DATE CONSIDERED <i>5/23/02</i>

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<i>M</i>	CI	Davis et al., "Electrode and Bacterial Survival with Iontophoresis in Synthetic Urine" <u>J. Urology</u> 147:1310-1313 (1992)	
	CJ	Dunkirk et al., "Photochemical Coatings for the Prevention of Bacterial Colonization" <u>J. Biomaterials Applications</u> 6:131-156 (1991)	
	CK	Dunkirk et al., "Contact Lens Coatings for Increased Wettability and Reduced Deposits and Bacterial Colonization" (Abstract), The 16th Annual Meeting of the Society for Biomaterials, Charleston, SC, May 20-23, 1990	
	CL	Erck et al., "Adhesion of Silver Films to Ion-Bombarded Zirconia" <u>Lubrication Engineering</u> 47(8):640-644 (1991)^	
	CM	Erdemir et al., "Ion-Assisted Deposition of Silver Films on Ceramics for Friction and Wear Control" <u>J. Soc. Tribologists and Lubrication Engineers</u> pp. 23-30 (1990)	
	CN	Farrah et al., "The Production of Antibacterial Tubing, Sutures and Bandages by in Situ Precipitation of Metallic Salts" <u>Can. J. Microbiol.</u> 37:445-449 (1991)	
	CO	Gravens et al., "The Antibacterial Effect of Treating Sutures with Silver" <u>Surgery</u> 73(1):122-127 (1973)	
	CP	Herruzo-Cabrera, R., "Evaluation of the Penetration Strength, Bactericidal Efficacy and Spectrum of Action of Several Antimicrobial Creams Against Isolated Microorganisms in A Burn Centre", <u>Burns</u> 18(1):39-44 (1992)	
	CQ	Leung et al., "Decreased Bacterial Adherence to Silver-Coated Stent Material: An in Vitro Study" <u>Gastrointestinal Endoscopy</u> 38(3):338-340 (1992)	
	CR	Liedberg et al., "Silver Coating of Urinary Catheters Prevents Adherence and Growth of Pseudomonas Aeruginosa" <u>Urol. Res.</u> 17:357-358 (1989)	
	CS	Liedberg et al., "Assessment of Silver-Coated Urinary Catheter Toxicity by Cell Culture" <u>Urol. Res.</u> 17:359-360 (1989)	
	CT	Mastrototaro et al., "Rigid and Flexible Thin-Film Multi-Electrode Arrays for Transmural Cardiac Recording" <u>IEEE Transactions on Biomedical Engineering</u> 39(3):271-279 (1992)	
	CU	Pyle et al., "Efficacy of Copper and Silver Ions with Iodine in the Inactivation of Pseudomonas Cepacia" <u>J. Appl. Bact.</u> 72:71-79 (1992)	
	CV	Quesnel et al., "Synergism between Chlorhexidine and Sulphadiazine," <u>J. Appl. Bact.</u> 45:397-405 (1978)	
	CW	Smoot et al., "In Vitro Toxicity Testing for Antibacterials Against Human Keratinocytes", <u>Plastics and Reconstructive Surgery</u> 87(5):917-924 (1991)	
EXAMINER	<i>Mark P...</i>		DATE CONSIDERED <i>5/23/02</i>

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M

CX

Swanson et al., "Surface Modification of Membranes for Medical and Industrial Applications" (Abstract), The 201st American Chemical Society National Meeting, Atlanta, GA, April 14-19, 1991

M

CY

Tsai et al., "In Vitro Quantitative Study of Newly Made Antibacterial Braided Nylon Sutures" Surgery, Gynecology & Obstetrics 165:207-211 (1987)

M

CZ

Williams et al., "The Biocompatibility of Silver" CRC Crit. Rev. Biocompat. 5(3):221-243 (1989)

M

CA'

Zanoni et al., "A Comparison of Silver Nitrate with Erythromycin for Prophylaxis Against Ophthalmia Neonatorum" Clinical Pediatrics pp 295-298 (1992)

M

CB'

Bio-Metrics Systems, Inc., "Photolink™ Surface Modification for Medical Devices", Technical Bulletin

M

CC'

Bio-Metrics Systems, Inc., "Photolink™ Surface Modification and Immobilization Technology", Technical Bulletin, 1991

M

CD'

Nakashima et al., Bokin Bobai, 19(9), 451-8 (1991)

M

CE'

Yoneda et al., Chem. Abstracts, Vol. 125, No. 26, 12/23/96, Abs. No. 331491v

M

CF'

Nishihara et al., Chem. Abstracts, Vol. 127, No. 14, 10/6/97, Abs. No. 186972n

M

CG'

~~"Synergism between Chlorhexidine and Sulphadiazine", J. of Applied Bacteriology, Vol. 45, 397-405 (1978).~~

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